



**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 9862-0000016/US

First Inventor Yun-Jung LEE et al.

Title METHOD OF FORMING OXIDE LAYER USING ATOMIC LAYER DEPOSITION METHOD AND METHOD OF FORMING CAPACITORS OF SEMICONDUCTOR DEVICE USING THE SAME

Express Mail Label No. N/A

08/04/03
10732823

APPLICATION ELEMENTS	
See MPEP chapter 600 concerning utility patent application contents.	

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 35]
(preferential arrangement set forth below)
- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
- Drawing(s) (35 U.S.C.113) [Total Sheets 15]
- Oath or Declaration [Total Pages 4]
- Newly executed (original or copy)
 Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
- DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:	
Commissioner for Patents Box Patent Application P.O. Box 1450 Alexandria, VA 22313-1450	

- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - CD-ROM or CD-R (2 copies); or
 - paper
 - Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS		
9. <input checked="" type="checkbox"/>	Assignment Papers (cover sheet & document(s))	<input type="checkbox"/> Copies of IDS Citations
10. <input type="checkbox"/>	37 C.F.R. §3.73(b) Statement	<input type="checkbox"/> Power of Attorney (when there is an assignee)
11. <input type="checkbox"/>	English Translation Document (if applicable)	
12. <input checked="" type="checkbox"/>	Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Preliminary Amendment
13. <input type="checkbox"/>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
14. <input checked="" type="checkbox"/>	Certified Copy of Priority Document(s) (if foreign priority is claimed)	
15. <input type="checkbox"/>	Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
16. <input type="checkbox"/>	Other: _____	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

Prior application information: Examiner _____

of prior application No. _____ / _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	30593 30593 (Insert Customer No. or Attach bar code label here)	<input type="checkbox"/> Correspondence address below
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Name	Harness, Dickey & Pierce, P.L.C.				
Address	P.O. Box 8910				
City	Reston	State	VA	Zip Code	20195
Country	United States of America	Telephone	703-668-8000		Fax 703-668-8200

Name (Print/Type)	John A. Castellano	Registration No. (Attorney/Agent)	35,094
Signature			Date August 4, 2003

Burden Hour Statement: This form is estimated to take 0-2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE



**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$ 982

TOTAL AMOUNT OF PAYMENT (\$) **502**

TOTAL AMOUNT OF PAYMENT (\$ 982)

Complete If Known	
Application Number	New Application
Filing Date	August 4, 2003
First Named Inventor	Yun-Jung LEE et al.
Examiner Name	Unassigned
Group / Art Unit	Unassigned
Attorney Docket No.	9862-000016US

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

**Deposit
Account
Number** 08-0750

**Deposit
Account
Name**

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee Code	Fee	
1001 750	2001 375	Utility filing fee	750
1002 330	2002 165	Design filing fee	
1003 520	2003 280	Plant filing fee	
1004 750	2004 375	Reissue filing fee	

SUBTOTAL:

8 ENTRA O LIVRO

2. EXTRA CLAIM FEES		Extra Claims	Fee from below	Fee Paid
Total Claims	26	-20 **	= 6	X 18 = 108
Independent Claims	4	-3 ***	= 1	X 84 = 84
Multiple Dependent Claims			X	= 0

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>
Fee Code	Fee Code	Fee (\$)
1202	18	2202 9
1201	84	2201 42
1203	260	2203 140
1204	84	2204 42
1205	18	2205 9

Claims in excess of 20
Independent claims in excess of 3
Multiple dependent claim, if not paid
 ↑ Retain independent claims over
 ↑ Reserve claims in excess of 20 and
 over independent claim

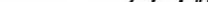
SUBTOTAL (2) (S) 192

EE CALCULATION (continued)

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code <u>1051</u>	Fee (\$) <u>130</u>	Fee Code <u>2051</u>	Fee (\$) <u>65</u>
1052	50	2052	25
			SurchARGE - late filing fee or oath SurchARGE - late provisional filing fee or cover sheet.
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
			For filing a request for reexamination Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*
			Requesting publication of SIR after Examiner action
1251	110	2251	55
1252	410	2252	205
1253	930	2253	465
1254	1,450	2254	725
			Extension for reply within first month Extension for reply within second month
1255	1,970	2255	985
1041	320	2401	160
1402	320	2402	160
1403	280	2403	140
			Filing a brief in support of an appeal Request for oral hearing
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,300	2453	650
1501	1,300	2501	650
1502	470	2502	235
1503	630	2503	315
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
			Petitions to the Commissioner Petitions to the Commissioner Petition to revive – unavoidable Petition to revive – unintentional Utility issue fee (or reissue) Design issue fee
8021	40	8021	40
1809	750	2809	375
1810	750	2810	375
1801	750	2801	375
1802	900	1802	900
			Recording each patent assignment per property (times number of properties)
			Filing a submission after final rejection (37 CFR § 1.129(a))
			For each additional invention to be examined (37 CFR § 1.129(b))
			Request for Continued Examination (RCE)
			Request for expedited examination of a design application
<u>Other fee (specify) _____</u>			40

****or number previously paid, if greater; For Reissues, see above**

SUBMITTED BY

Name (Print/Type)	John A. Castellano	Registration No./Name/Agent)	35,094	Telephone	703-668-8000
Signature				Date	August 4, 2003

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